

# Claims

- [c1] 1.A thread rolling tool, comprising:  
a tool holder;  
a boring bar; and  
a cold roll wheel operatively coupled to said boring bar,  
wherein a position of said cold roll wheel relative to said  
tool holder along a first direction is moveable.
- [c2] 2.The thread rolling tool of claim 1, further comprising  
means for limiting movement of said cold roll wheel rel-  
ative to said tool holder along said first direction.
- [c3] 3.The thread rolling tool of claim 1, further comprising  
means for limiting movement of said cold roll wheel rel-  
ative to said tool holder in a second direction.
- [c4] 4.The thread rolling tool of claim 1, further comprising:  
a piston operatively coupled to said cold roll wheel; and  
a pressure gauge for determining a pressure applied by  
said cold roll wheel.
- [c5] 5.A thread rolling tool, comprising:  
a tool holder;  
a boring bar slidably coupled to said tool holder to  
thereby allow movement of said boring bar in a first di-

rection relative to said tool holder; and  
a cold roll wheel operatively coupled to said boring bar.

[c6] 6.The thread rolling tool of claim 5, further comprising at least one projection for limiting travel of said boring bar relative to said tool holder along said first direction.

[c7] 7.The thread rolling tool of claim 5, wherein said boring bar extends through said tool holder and is coupled thereto by a key.

[c8] 8.The thread rolling tool of claim 7, wherein said key is positioned in a first slot formed in said boring bar and a second slot formed in said tool holder.

[c9] 9.The thread rolling tool of claim 5, further comprising a key that couples said boring bar to said tool holder to thereby limit movement of said boring bar relative to said tool holder in a second direction.

[c10] 10.The thread rolling tool of claim 5, wherein said tool holder comprises a generally cylindrical section and a rectangular clamp block coupled to said cylindrical section.

[c11] 11.The thread rolling tool of claim 5, further comprising: a piston operatively coupled to said cold roll wheel; a pressure gauge; and

an internal passageway formed in said boring bar, said internal passageway adapted to be filled with a hydraulic fluid.

- [c12] 12.A thread rolling tool, comprising:  
a tool holder;  
a boring bar that extends through and is slidably coupled to said tool holder to thereby allow movement of said boring bar in a first direction relative to said tool holder;  
a cold roll wheel operatively coupled to said boring bar;  
and  
at least one projection for limiting travel of said boring bar relative to said tool holder along said first direction.
- [c13] 13.The thread rolling tool of claim 12, further comprising a key that couples said boring bar to said tool holder to thereby limit movement of said boring bar relative to said tool holder in a second direction.
- [c14] 14.The thread rolling tool of claim 12, wherein said tool holder comprises a generally cylindrical section and a rectangular clamp block coupled to said cylindrical section.
- [c15] 15.The thread rolling tool of claim 12, further comprising:

a piston operatively coupled to said cold roll wheel;  
a pressure gauge; and  
an internal passageway formed in said boring bar, said  
internal passageway adapted to be filled with a hydraulic  
fluid.

[c16] 16.A thread rolling tool, comprising:  
a tool holder;  
a boring bar that extends through and is slidingly coupled to said tool holder to thereby allow movement of said boring bar in a first direction relative to said tool holder;  
a cold roll wheel operatively coupled to said boring bar;  
at least two projections for limiting travel of said boring bar relative to said tool holder along said first direction;  
and  
a key that couples said boring bar to said tool holder to thereby limit movement of said boring bar relative to said tool holder in a second direction.

[c17] 17.The thread rolling tool of claim 16, wherein said tool holder comprises a generally cylindrical section and a rectangular clamp block coupled to said cylindrical section.

[c18] 18.The thread rolling tool of claim 16, further comprising:

a piston operatively coupled to said cold roll wheel;  
a pressure gauge; and  
an internal passageway formed in said boring bar, said  
internal passageway adapted to be filled with a hydraulic  
fluid.